

SEQUENCE LISTING

<110> Goryshin, Igor Y
Naumann, Todd A
Reznikoff, William S

<120> DOUBLE TRANSPOSITION METHODS FOR MANIPULATING NUCLEIC ACIDS

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<150> 60/251482

<151> 2000-12-05

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<170> PatentIn Ver. 2.1

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<212> DNA

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<223> Description of Artificial Sequence: LINKER A (FULL LENGTH)

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<223> Description of Artificial Sequence: LINKER A (COMPRESSED)

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<223> Description of Artificial Sequence: LINKER B (FULL LENGTH)

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 (COMPRESSED)

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DOUBLE TRANSPOSITION METHODS FOR MANIPULATING NUCLEIC ACIDS

Inventors: Igor Yu Goryshin/Todd A. Naumann/William S. Reznikoff

Application No.:

Docket Number: 960296,97541

TABLE 1

Insert #	Δ #	Insert End	Δ End	Size	Partial ORFs	Complete ORFs	Grow w/o IPTG
1	1.3	1073109	1094823	21714	b1028;b1012	b1013;putA;putP;b1016-1018;ycdE;phoH;b1021-1025;trt5_3;b1027	Y
2	2.8	2776930	2770104	6626	b2638;b2647	b2639;b2646	Y
3	3.1	4407731	4403605	4126	yjiH	yieE;yacB;yjiH	Y
4	4.2	3735047	3725227	9821	yiaB	xyiB;xyiA;xyiF;xyiG;xyiH;xyiR;b3570	Y
4	4.6	3735047	3723521	11526	none	yiaH;yiaA;yiaB;xyiB;xyiA;xyiF;xyiG;xyiH;xyiR;b3570	Y
4	4.9	3735047	3719490	15567	yisC	gysG;yjiH;yiaA;yiaB;xyiB;xyiA;xyiF;xyiG;xyiH;xyiR;b3570	N
5	5.1	1224154	1210042	14112	mcrA;minD	b1160-b1173;minE	N
6	6.2	3045069	3042244	2825	bglA;govP	yjiF	Y
7	7.1	2779269	2767042	12227	b2633;b2647	b2634-b2646	Y
8	8.4	3862532	3862500	32	none	none	Y
9	9.7	4599240	4595083	5853	mcb1;trr	yjiN;yjiM;b4356	Y
10	10.3	4141018	4117696	23322	menA;trwC	hsuU;hsuV;tsiN;cpfB;qfA;rpmE;yxjX;mclJ;mclM;mclN;mclP;ksaG;yjiF;gdaI;icaC;ptaA;yjiI	N
11	11.3	2793099	2795902	2803	gabP;b2668	ygaE;b2665-b2667	N
12	12.17	14166	12088	2078	none	dnkA	N
13	13.19	4542104	4546611	4507	linC;linH	linD;linF;linG	N
14	14.17	3821524	3818988	2526	spot	rhoZ;gmk	N
15	15.17	1570686	1544482	26184	ydcC;ydcD	fanG;idnH;idnL;b1477;b1478;sfkA;tpsV;b1481;osmC;b1483-1491;xasA;gadB	N